



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE USA/0115/S-96, REVISION 10

East Building, PHH-23
1200 New Jersey Avenue Southeast
Washington, D.C. 20590

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency¹ and the United States of America² for the transport of radioactive material.

1. Source Identification - Gulf Nuclear, Inc. Model VL-1.
2. Source Description - The source is a doubly encapsulated heliarc-welded capsule of Type 304 or 17-4 PH stainless steel measuring 3.2 mm (0.125 in.) to 12.7 mm (0.5 in.) in diameter and 6.35 mm (0.25 in.) to 19.05 mm (0.75 in.) in length. The source is manufactured in accordance with attached Gulf Nuclear, Inc. Drawing No. D-13-X. Sources certified are only those manufactured by Gulf Nuclear, Inc. before July 7, 1997.
3. Radioactive Contents - This source consists of not more than 37 GBq (1.0 Ci) of Am-241 oxide in beryllium metal powder, 37 GBq (1.0 Ci) of Cs-137 in the form of cesium chloride, or 37 GBq (1.0 Ci) of a combination of Am-241 oxide in beryllium powder and Cs-137 as cesium chloride.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations¹ shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors in the United States exporting shipments under this certificate shall satisfy the applicable requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires on July 31, 2012.

¹ "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency(IAEA), Vienna, Austria.

² Title 49, Code of Federal Regulations, Parts 100-199, United States of America.

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This certificate is issued in accordance with paragraph 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the June 19, 2007 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified By:



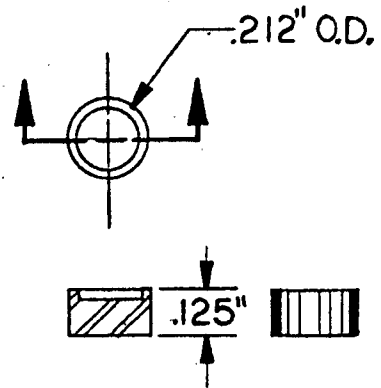
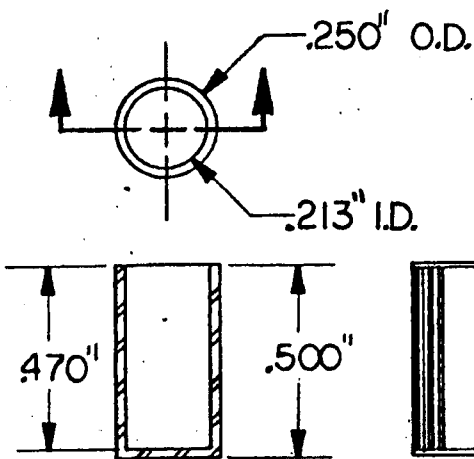
Jul 05 2007

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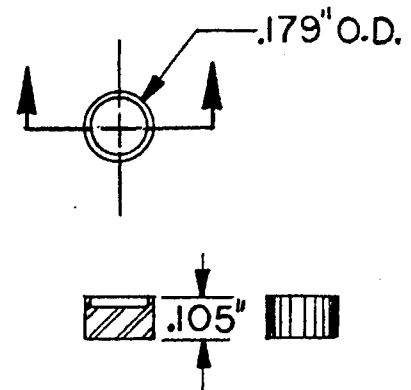
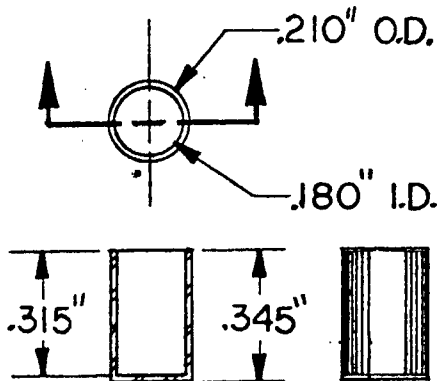
 Bob Richard

Deputy Associate Administrator for Hazardous Materials Safety

Revision 10 - Issued to extend the expiration date.



OUTER CAPSULE AND LID



INNER CAPSULE AND LID

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REVISIONS			GULF NUCLEAR, INC.		
NO.	DATE	BY			
1			VL-1 CAPSULE		
2					
3			DRAWN BY	MPA	SCALE 2X1 MATERIAL S.S.
4			CHK'D	DATE 4-8-82	DRAWING NO.
5			TRACED	APP'D	D-13-X



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